ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY

Environment, Health, & Safety
Training Program

EHS 231 ~ Compressed Gas and Cryogen Safety

Course Syllabus

Subject Category:	Compressed Gas and Cryogen Safety	**Course Prerequisite:**	No
Course Length:	2 hours	**Medical Approval:**	No
Delivery Mode:	Class or video		
Schedule:	4-6 weeks or as requested		
Location/Time:	Varies		

Course Purpose: This course is designed to provide information to enable employees/students to safely work with compressed gasses in "typical" bottled gas applications or similar, at working pressures up to 150 psig; can safely assess the pressure hazards associated with vacuum systems; and can safely work with cryogens such as liquid nitrogen and liquid helium.

Course Objectives:

- Develop an appreciation of the hazards presented by pressure systems
- Explain Berkeley Lab requirements for working with simple pressurized gas systems, cryogens, and vacuum systems
- Explain when additional controls are needed
- Provide additional safety resources

Course Instructional Materials:

- Power Point Presentation
- Computer projector

Instructor: John Seabury

Training Compliance Requirements: 29 CFR 1910.169, 29 CFR 1926.35

Course Hand-outs: Copies of PowerPoint presentation; list of "Hazardous Gases" as defined in LBNL Publication.

Participant Evaluation: Written evaluations of the effectiveness of the trainer, the training and the visual aids.

Written Exam: Two test versions: 6 or 15 questions

Practical Exam: No

Retraining/Recertification: No

WEB Resource: Pub - 3000 , Chapters 7 and 13.